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BULLETIN
OF THE
TORREY BOTANICAL CLUB.

Vol. XIX.] New York, September 10, 1892. [No. 9.

An Enumeration of the Plants Collected by Dr. H. H. Rusby in
South America, 1885-1886.—XXI.

(Continued from page 151.)

Liabum hastifolium, Poepp. & Endl. Yungas, 4,000 ft. (1742);
6,000 ft. (1743).

I brought these plants home from Kew with this name taken from Spruce's No. 4073 in the Kew Herbarium, but I now fail to find it published. They are the same as this specimen of Spruce, and related to but not identical with Mandon's No. 240 from Sorata, given in Bull. Soc. Bot. France xii. 81, as *L. corymbosum*, Sch. Bip.

LIABUM OVATUM (A. Gray). *Paranephelius ovatus*, A. Gray.
Sorata, 13,000 ft. (1633). The same as Mandon's No. 239 from the same locality.

LIABUM HASTATUM (Wedd.). *Munnozia hastata*, Wedd. Chlor.
And. i. 211, note. Yungas, 6,000 ft. (1744).

LIABUM RUSBYI, spec. nova. Caule folioso, pubescente, 30+ cm. alto; foliis breviter petiolatis, lanceolatis, apice basique acutis, serratis, 6-10 cm. longis, 1.5-3.5 latis, superne glabris et intense viridibus, subtus dense albo-tomentosis; capitulis corymbosis, pedunculatis, 3-4 cm. latis; involucri hemispherico, bracteis 3-5-seriatis, triangulari-lanceolatis vel ovatis, acuminatis, puberulentis ciliatisve; radiis augustis disco duplo superantibus; acheniis glabris, 1 mm. longis; pappus sordidus, rigidus 8-10 mm. longis.

Mapiri, 10,000 ft. (1745).

Erechthites valerianæfolia (Wolf), DC. Prodr. vi. 295. Mapiri,
5,000 ft. (1671).

Senecio multinervis, Sch. Bip. Bull. Soc. Bot. Fr. xii. 80, name only. Yungas, 4,000 ft. (1640); Unduavi, 8,000 ft. (2,128). The same as Mandon's 142. Schultz remarks that this is related to *S. castaneæfolius*, DC., a species which I have not seen.

Senecio clivicolus, Wedd. Chlor. And. i. 130. Near La Paz, 10,000 ft. (1679, 1681); Unduavi, 8,000 ft. (1670). The same as Mandon's 140.

Senecio volubilis, Hook. Tacna, Chili (1696).

Senecio Bridgesii, H. & A. Valparaiso, Chili (1675).

Senecio culcitoides, Sch. Bip. Bonplandia, 1856, 55, name only. Wedd. Chlor. And. i. 103. Unduavi, 8,000 ft. (1692).

Senecio formosus, H.B.K. Nov. Gen. iv. 177. Mapiri, 5,000 ft. (1672).

Senecio vulgaris, L. Sp. Pl. 1216. Near La Paz, 10,000 ft. (1674).

Senecio attenuatus, Sch. Bip. Bull. Soc. Bot. Fr. xii. 80, name only. Near La Paz, 10,000 ft. (1717). The specimens of this species were inadvertently distributed as from Tacna, Chili. Same as Mandon's 139.

Senecio attenuatus, Sch. Bip., var. MICROPHYLLUS, var. nov. Foliis spatulatis-oblongis, acutis, 4-6-dentatis, 1-1.5 cm. longis, 3-4 mm. latis. Near La Paz, 10,000 ft. (1691).

SENECIO YUNGASENSIS, sp. nov. Suffruticosus, valde ramosus, caulibus 6-8 dm. altis, puberulentis; foliis sessilibus, oblongis, apice acuminatis, basis angustis, utrinque puberulentis, denticulatis, 10-15 cm. longis, 3-5 cm. latis; capitulis radiatis, pedunculatis, numerosis, paniculatis, 1.5-2.5 cm. latis; involucri hemispherico, bracteis sub 2-seriatis, oblongo-lanceolatis, puberulentis, acutis, margine scariosis; radiis oblongis, obtusis, disco superantibus; acheniis glabris, oblongis, 1-5 mm. longis; pappus albidus, 5 mm. longus.

Yungas, 4,000 ft. (1719). Related to *S. myriocephalus*, Baker, of Brazil.

SENECIO FLOSCOSUS, sp. nov. Herbaceus, carnosus, caulibus superne tomentosus, 5-7 dm. altus; foliis utrinque glabris, petiolatis, ovato-oblongis, apice basique acutis, integris, 8-10 cm. longis, 3-4 cm. latis; capitulis numerosis, dense corymbosis, pedunculatis, radiatis, 2-3 cm. latis; involucri anguste campanulatis, bracteis sub 2-seriatis, lineari-oblongis, acutis, tomentosus, margine scariosis; radiis disco sub-duplo longior-

ibus; acheniis glabris, 2 mm. longis; pappus copiosus, albidus, 1 cm. longus.

Near La Paz, 10,000 ft. (1680); Unduavi, 8,000 ft. (1720).

SENECIO SPRUCEI, sp. nov. Fruticosus, scandens, caule parce ramoso, tomentoso, striato, 1 m.+longo; foliis petiolatis, ovatis, integris, apice acutis, basi rotundis vel truncatis, superne glabris, subtus tomentosis, 6-10 cm. longis, 3-6 cm. latis; petiolis 2 cm. longis; capitulis paucis, paniculatis, sessilibus, eradiatis, 4 mm. latis; involucrio anguste campanulatis, bracteis oblongis, acutis obtusisve, glabris, 3 mm. longis; acheniis pubescentibus, 1 mm. longis; pappus albidus, 3 mm. longis.

Yungas, 4,000 ft. (1695). The same as Spruce's No. 4811 from Tavalosus, Herb. Kew., except that that specimen has longer petioles. Related to Lechler's 2608 from Peru.

Gynoxys alternifolia, Sch. Bip. Bull. Soc. Bot. Fr. xii. 80, name only. Yungas, 4,000 ft. (1639). The same as Mandon's 131.

Gynoxys laurifolia (H.B.K.), Cass. Dict. xlviii. 435. Sorata, 10,000 ft. (1638).

Gynoxys baccharoides (H.B.K.), Cass. Dict. xlviii. 455. Unduavi, 8,000 ft. (1676). The same as Mandon's 84, called *G. Mandoni* by Schultz.

Werneria pygmæa, H. & A., Journ. Bot. iii. 348. Near La Paz, 10,000 ft. (2520).

Centaurea Militensis, L. Sp. Pl. 1297. Near Valparaiso, Chili (1554).

Barnadesia polyacantha, Wedd. Chlor. And. i. 13. Unduavi, 8,000 ft. (1552); Sorata, 10,000 ft. (1553). The same as Mandon's No. 4.

Mutisia subulata, R. & P. Syst. 193, Near Valparaiso, Chili (1548).

Mutisia viciæfolia, Cav. Ic. v. 62, t. 490. Near La Paz, 10,000 ft. (1550); Yungas, 4,000 ft. (1551).

Mutisia Bipontini, Mandon, Bull. Soc. Bot. Fr. xii. 79, name only. Yungas, 6,000 ft. (1549). The same as Mandon's No. 6.

Chuquiragua oppositifolia, Gill. et Don. Phil. Mag. 1832, 392. Near La Paz, 10,000 ft. (1555); Unduavi, 8,000 ft. (1556).

CHUQUIRAGUA FEROX (Wedd.). (*Flotowia ferox*, Wedd. Chlor. And. i. 5.) Near La Paz, 10,000 ft. (1558). The same as Mandon's No. 2.

LYCOSERIS BOLIVIANA, sp. nov. Fruticosus, ramosus, caule parce tomentoso, ramulis striatis; foliis oblongis, sessilibus, acutis vel acuminatis, denticulatis, 4-nervis, superne glabris et intense viridibus subtus parce tomentosis, 8-12 cm. longis, 2-4 cm. latis; capitulis ad apices ramorum solitaribus, 6-8 cm. latis; involucro hemispherico, bracteis sub 7-seriatis, ovatis vel lanceolatis, acutis, puberulentis; radiis brevibus, apice dentatis; acheniis oblongis, glabris, 2 mm. longis; pappus ochroleucus, glabris, 1.5 cm. longis.

Guanai, 2,000 ft. (1557). Sterile heads not seen.

Chaptalia nutans (L.), Hemsley, Bot. Biol. Centr. Amer. ii. 255. Mapiri, 5,000 ft. (1677); Yungas, 6,000 ft. (1351).

Chaptalia integrifolia (Cass.), Baker in Mart. Fl. Bras. vi. Pars. III. 378. Yungas, 6,000 ft. (1678).

Proustia pungens, Poepp. in Less. Syn. 110. Near La Paz, 10,000 ft. (2680).

Perezia multiflora (H. & B.), Less. Linnæa, 1830, 15. Unduavi, 12,000 ft. (2668).

Perezia pungens (H. & B.), Less. Linnæa, 1830, 20. Yungas, 6,000 ft. (1725). The same as Mandon's 25, regarded by Schultz as a variety.

Trixis divaricata (H.B.K.), Spreng. Syst. iii. 501. Guanai, 2,000 ft. (1699). A form similar to *T. calcarea*, Gardn.

Jungia floribunda, Less. Linnæa, 1830, 38. Yungas, 4,000 ft. (1708). A form or variety the same as Lechler's No. 2126 from Peru.

HIERACIUM MANDONI (Sch. Bip.). (*Pilosella Mandoni*, Sch. Bip. Bull. Soc. Bot. Fr. xii. 82, name only.) Sorata, 13,000 ft. (1651). The same as Mandon's 271.

HIERACIUM TRICHODONTUM (Sch. Bip.). (*Pilosella trichodonta*, Sch. Bip. Bull. Soc. Bot. Fr. xii. 82, name only.) Unduavi, 8,000 ft. (1654). The same as Mandon's 270.

Hieracium microcephalum, Sch. Bip. Bonplandia, 1856, 55. Mapiri, 10,000 ft. (1652). The same as Lechler's 1820 from Peru.